Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/17/2017 11:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124267	-1	1.74	124172	1.65
Blue	F	SSC	125000	123600	-2	2.49	124016	2.24
Blue	E	FITC	21625	20917	-4	2.40	925	9.95
Blue	D	PE	26832	26396	-2	1.95	948	9.93
Blue	B	PerCP-Cy5-5	48027	47199	-2	3.26	1358	16.60
Blue	A	PE-Cy7	40971	40334	-2	4.87	623	35.57
Red	C	APC	49746	49681	-1	2.71	2878	9.32
Red	A	APC-Cy7	53615	52791	-2	2.80	1093	11.33
Violet	B	V450	14488	13832	-5	4.94	662	9.39
Violet	A	V500	55123	53061	-4	4.78	2343	6.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19504	6.07	606	8	N/A	N/A	Pass
Blue	F	SSC	61542	1.53	536	2	N/A	N/A	Pass
Blue	E	FITC	107	38.44	535	-1	0.0226	235	Pass
Blue	D	PE	209	29.09	531	0	0.1542	230	Pass
Blue	B	PerCP-Cy5-5	214	44.84	630	1	0.0106	133	Pass
Blue	A	PE-Cy7	68	116.90	680	-1	0.0118	12	Pass
Red	C	APC	337	27.64	591	-3	0.0210	103	Pass
Red	A	APC-Cy7	120	42.36	575	-5	0.0055	2039	Pass
Violet	B	V450	81	42.14	468	-3	0.0486	2033	Pass
Violet	A	V500	171	23.60	493	-3	0.0154	752	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.67	-31.10	0.86
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	16.43	13.27 - 19.91	N/A	N/A	30.87	31.63	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10130

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments